Case study:

Client: An international provider of diagnostics testing systems to hospitals and large laboratories.
Project: Improve productivity in clinical diagnostics.

The background:

The diagnostics testing systems company works with its customers to reduce costs and improve service. One targeted improvement was giving technologists the ability to monitor different instruments from one workstation instead of physically moving from station to station.

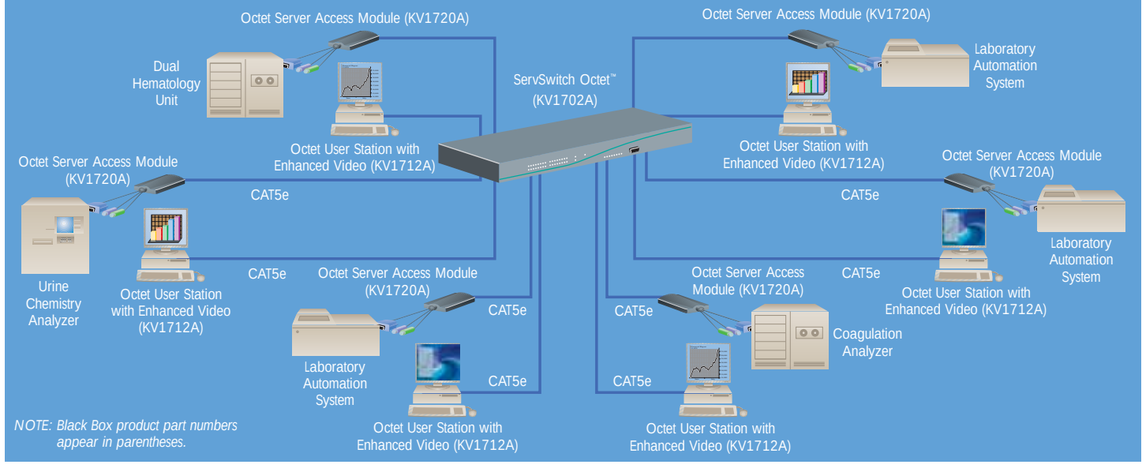
The new system had to require little or no training, and be unobtrusive, easily expandable, and versatile enough to use in different lab configurations. Other requirements included the number of test stations and lab size.

The solution:

The company called Black Box, and our techs worked with the client to evaluate the system challenges. Because the labs typically used one PC for each test station, Black Box immediately suggested a ServSwitch™ solution, which would enable a technician to access all the instruments from one test station instead of multiple test stations. This adds up to significant savings of both time and money.

Many tests were run with different ServSwitch KVM switches and cable types. The solution that worked best was the ServSwitch Octet™. This system features an advanced on-screen display, enables plug-and-play system expansion, and runs on unshielded twisted-pair cable, which keeps cable bundles to a minimum. The ServSwitch Octet also expands distance limits to 200 feet.

The ServSwitch Octet system was successfully implemented and technicians can now read results from any connected instrument with just a key command instead of getting up and changing stations. This has increased productivity and improved the work environment.



NOTE: Black Box product part numbers appear in parentheses.

What our clients are saying:

"Considering the scale of the project and the fact that it was completed without encountering any real issues or problems, in my mind, speaks for itself. Professional, innovative, reliable, experts in their field, excellent teamwork—all describe Black Box as a whole."

Keren Foster, ICT Department, **Belfast City Hospital**

"The hospital environment is a difficult one, demanding due consideration of many factors; for us, the true measure of a successful partner is one that can manage these issues on our behalf and also deliver the productivity results we demand. Black Box has achieved this."

Mark Anderson, Installation & Support Director, **Patientline**

BLACK BOX NETWORK SERVICES

1000 Park Drive • Lawrence, PA 15055-1018 • 724-746-5500 • www.blackbox.com

BLACK BOX® NETWORK SERVICES

HEALTH CARE SOLUTIONS

KVM • Multimedia

KVM Server Management

Get complete control.

Bring widely dispersed servers in clinical, administrative, and other areas of your facility under your control. Medical groups or offices can access data they need—but under your watch.

Get access from anywhere.

Our ServSwitch™ over IP technologies give you 24/7/365 access via your local network, WAN, or the Internet—without draining much-needed bandwidth from critical applications.

Keep patient data private.

Our KVM solutions solve access control issues so you're HIPAA compliant in all areas. You can track activities and ensure that only authorized users access confidential info.

Cut costs.

Increase efficiency in your health care operation. Many of our solutions can be connected to existing wiring for seamless integration and no downtime.

Don't miss the case study on the back cover!

BLACK BOX SOLUTIONS

Technologies include:

- ServSwitch IP Access Products
- ServSwitch KVM Extenders
- ServSwitch KVM Switches
- Solutions for use with copper (CAT5/CAT5e/CAT6) and fiber optic media
- Solutions for connecting high-resolution video and serial touch screen monitors
- Wireless access solutions

Top-notch services include:

- FREE product consultation
- FREE 24/7/365 Tech Support, whether you buy or not
- Design and installation of new and integrated systems
- Moves, adds, and changes, plus repair and maintenance
- Disaster recovery
- Seamless project coordination
- Testing and documentation

For more solutions, see blackbox.com.

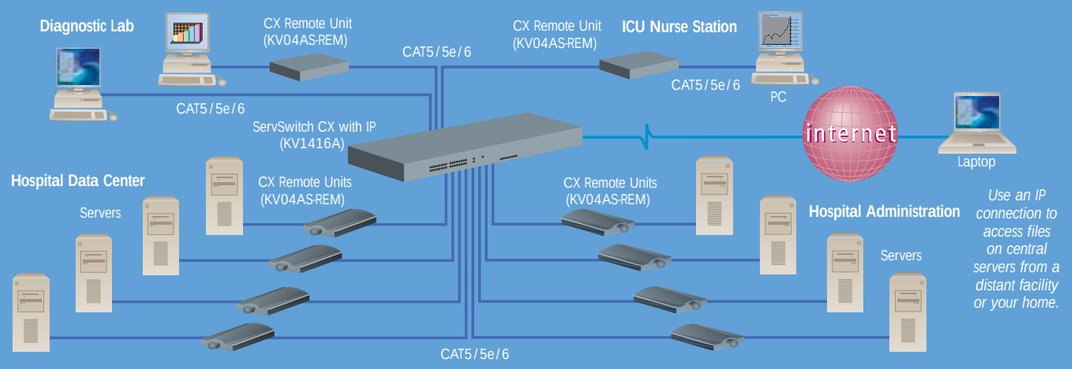
Server management from the KVM over IP experts!

Black Box can help you better manage your servers while keeping the private patient data stored on them secure—whether they're in primary care, diagnostic labs, or office areas of your facility.

You can, for instance, move CPUs to a secure location and use a BLACK BOX® ServSwitch™ solution to monitor the complete system via IP, keeping track of logins and guarding against unauthorized access.

Plus you can specify a fully redundant setup to eliminate any single point-of-failure risk and help guarantee uptime.

We also offer KVM extenders and switches, and industry-best expertise as an integrator. We can design, install, and maintain an entire system to your exact specifications—one that'll serve the overall health of your organization for years to come.



NOTE: Black Box product part numbers appear in parentheses.

Digital Signage and Multimedia

Create it.

Scroll messages and tailor content to specific audiences with our ChyTV and other video-overlay products—all great ways to promote events in your facility.

Extend it.

Send high-resolution video farther using ordinary copper or fiber with our highly affordable extenders. You'll stretch your AV budget while taking advantage of wiring already in place.

Split it.

Broadcast a single video source to as many as 16 remote monitors with a Black Box® splitter. This way, you can stream up-to-date info to staff in all areas of your facility.

Display it.

Show graphics-rich content and images on multiple high-resolution LCD or plasma screens. We'll help you set up dazzling digital signage in lobbies, waiting rooms, cafeterias, and other high-traffic areas.

BLACK BOX SOLUTIONS

Technologies include:

- Plasma screens and LCDs
- DVI, VGA, and Composite video and audio extenders, splitters, switches, and baluns
- Skew compensators, converters, scalers, and image controllers
- ChyTV video display systems
- Solutions for use with coax, UTP (CAT5/CAT5e/CAT6), and fiber optic media

Top-notch services include:

- FREE product consultation
- FREE 24/7/365 Tech Support, before and after the sale
- Design and installation of new and integrated systems
- Upgrades of complete systems
- Moves, adds, and changes, plus repair and maintenance
- Operating theater setups
- Digital signage configuration

For more solutions, see blackbox.com.

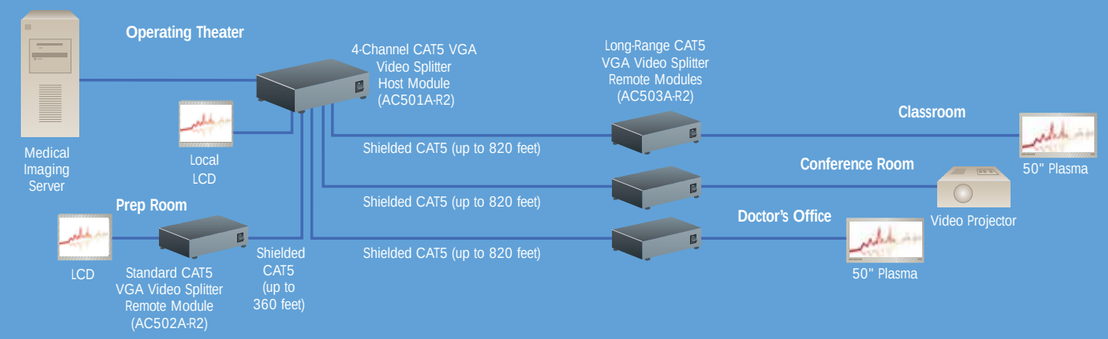
Reach medical staff near and far!

Envisioning a better way to educate your medical staff—including practitioners located at distant rooms in your facility? Black Box specializes in providing integrated multimedia solutions for this very purpose.

Shown below is an operating theater application with our CAT5 VGA Video Splitters distributing a high-resolution image to four remote screens. Output can be to LCDs, plasma screens, or projectors—all showing the same image being viewed in the theater and the adjoining prep room.

And this is just one possible application. Using our digital signage components, you can also build multiscreen presentations that inform visitors of your clinic hours, health screenings, wellness events, latest medical offerings, and more!

As an integrator, Black Box can even install large-scale AV systems linked to your current IT hardware, cabling infrastructure, and wireless network, and ensure seamless operation from the start.



NOTE: Black Box product part numbers appear in parentheses.

For help ordering your solution, call us today at 724–746-5500.